



Sears Inside Stores ***Venting a Dryer***

Purpose	The purpose of the Job Aid is to: • Provide an understanding of Venting a Dryer • Explain the installation versus take-with venting procedure • Define the components of the dryer venting solutions
Venting a Dryer	Dryer manufacturers specify the use of all metal materials in venting a dryer. Sears provides both take-with and installed customers with the same durable venting. It is available in two basic configurations, 4" diameter round venting and 2" x 6" rigid venting.
Importance of Proper Venting	Dryer warranties are voided if improper venting is used.
	Properly venting a dryer will extend its life by improving airflow and dryer efficiency.
	Properly venting a dryer will reduce energy costs and reduce the risk of fires.
	Customers who choose professional installation are assured of the correct fit.
	Customers who are installing themselves can choose from the same parts as used by our trained installers.
Installation packages	When we sell dryer hook-ups we assure the customer that if they provide the gas/electric/vent minimum requirements as stated in the delivery hand out - we will hook-up the dryer using safe/effective parts. The dryer installation kits include include part #'s 49609, 49608, and [insert the appropriate electric or gas connector]. Any additional parts needed are carried on the truck as enhancement parts (116-92). Customer purchased complete hook-up – <u>installers will return excess parts to truck when hook-up is complete.</u> An installation package is the most optimal way for a customer to be assured that their dryer will be hooked up according to code and warranty instructions.
How does the installer know parts to bring?	Sears installers carry truck enhancement parts or "truck stock" of many different dryer venting parts. They are trained in understanding the features and benefits of each part and how to adapt them to the many different laundry room layouts. This guide will review those parts and how they are used in venting situations.
How can a homeowner figure out which part to take home?	The <i>first question</i> to ask is how much room is behind the dryer. Laundry room layouts can be grouped according to the space behind the dryer: • 6 inches or more (ex: basements) • 4 inches (most common) • 2 inches (closets and very tight rooms)

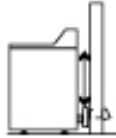
The *second question* is where is the wall outlet in relation to the dryer. This will tell you how many 90° turns are being made.

The *third question* is how far away the dryer exhaust is from the wall outlet. This is the length of the run. Maximum duct length charts are found in the Merchandise List for each dryer model.

This graphic is from Sears Merchandise List:

DRYER VENTING RECOMMENDATIONS

4" Clearance behind the Dryer is Preferred for Best Airflow.
2" Clearance is achieved With Periscopes.
Recommended vent hood location: top of hole 36" from floor, centered behind dryer.

4" Clearance Behind Dryer	2" Clearance Behind Dryer
26-40900 - Over-The-Top™ Kit Universal solution, 8 foot length 	26-49901 - Periscope 0-5" For outlets which overlap or are very close.  <i>0-5" periscope</i>
26-40608 - Flexible Pipe 4" x 6" with snap-lock fittings 90° turn takes 1 foot length and 6" clearance 	26-49908 - Periscope 0-18" For outlets which are between 0 and 18".
26-40609 - Close Elbow Turns 90° within 4" Rotating collars and snap-lock fittings 	26-40604 - 18-29" Periscope Reaches the side of most dryers.
26-98377 - Clamps Clamps are recommended for wall and dryer connections. Steel clamps designed to resist stretching. Tighten with phillips/hex head screw. Clamps are included one each on elbows and periscopes. 	26-40605 - 29-50" Periscope Reaches the top of most dryers.
	26-98379 - Vent Hood Aluminum body and plastic molded hood with a 4" opening. 

**Installation
Checklist
Regarding
Venting
From
Merchandise
List**

- Prior to delivery, make sure customers measure the area where the appliance will be placed and that the product will fit through the path to the final destination.
- Must have SCIM code ahead of scheduled delivery time for proper deluxing of product (airflow direction and door reversal).
- Do not use non-metal flexible duct for venting.
- When installing the vent system, do not exceed the specified length for the vent duct.
- Venting systems which are longer than specified will accumulate lint, increase drying time and energy use, and shorten the life of the dryer.
- Prior to deliver, it is recommended that your customer clean lint from the entire length of the existing vent system and make sure exhaust hood is not plugged with lint.
- Sears will only hook-up approved metal venting. Sears will not hook-up to non-metal flexible ducting.
- Sears will only handle venting to the wall, not beyond the wall.

Matching parts to the laundry room

6 inches or more

- One 4" diameter flexible vent in the length of the run
- Clamps will be required to connect the vent to the dryer and to attach the vent to the wall outlet
- Flexible pipe takes 6" of space and 1' of length to make a 90° turn. This is why the Close Elbow® and the Wall Offset Elbow® assist customers in space.

4 inches

- One 4" diameter flexible vent in the length of the run
- 90° Elbows are recommended on the dryer, and on the wall outlet for closer clearance and better airflow
- Clamps will be required to connect the vent to the dryer and to attach the vent to the wall outlet

2 inches

- 2" x 6" Rigid heavy metal periscopes are available in several lengths
- Clamps will be required to connect the vent to the dryer and to attach the vent to the wall outlet

Installation Part Numbers

The parts used by the installers start with 49. **Numbers beginning with 49 are in bulk form, with no packaging and no instructions.** Installers carry an assortment of the 49XXX numbers on their trucks which is customized to the most common installations found in each area. The Installer uses a single or a combination of parts needed to complete the installation according to manufacturer and building code guidelines.

When ringing up a customer who is purchasing their own venting, do not use the part numbers beginning with 49. These parts are inventoried separately. These parts should be returned to the truck stock, and are not returnable at the store.

Dryer Vent Accessories or Take With Part Numbers

The parts used for customers purchasing their own venting start with 98. **Numbers beginning with 98 are packaged for sale to customers installing their own dryers.** They are Dryer Vent Accessories and their packaging restates the sales points included in this Job Aid. Dryer manufacturer approved instructions are included with each accessory.

The accessories with part numbers beginning with 98 are plan-o-grammed to make venting choices clearer for the customer and the salesperson. These accessories are inventoried on a separate basis so that take-with customers will have the accessories in-stock and on the sales floor that are needed to complete the dryer hook-up.

Dryer Venting

The following parts are dryer venting accessories available in Department 26.

**49608 Bulk 6' Snap-Lock Flexible pipe**

- 4" diameter x 6' long
- 90° turns use up 6" clearance and 1 foot of length
- Features snapping collars which eliminate the need for clamps between parts
- A clamp is still needed at the dryer and the wall

**98382 Packaged 5' E-Z-Fasten™ Flexible Pipe**

- 4" diameter x 6' long
- 90° turns use up 6" clearance and 1 foot of length
- Features snapping collars which eliminate the need for clamps between parts
- A clamp is still needed at the dryer and the wall

**49609 Bulk Close Elbow®****98374 Packaged Close Elbow®**

- Provides a 90° turn in 4"
- Recommended on the dryer
- Rotating collars help prevent pipe kinks
- Snap-lock fittings make connections easier

**49900 Bulk Over-the-Top® 8' Kit**

Best choice for most laundry rooms – a universal solution

- 4" clearance x 8' length
- Easy clean feature • cuffs on elbows swivel to allow dryer to be moved for cleaning
- Final connection is made from "over-the-top" of the dryer
- Two close elbows, one for the dryer and one for the wall
- Two 4' sections of flexible pipe
- One wall plate for close clearance



98378 - 8' Loop Kit

Good choice for most laundry rooms

- 4.5" clearance x 8' length
- Two close elbows, one for the dryer and one for the wall
- One 8' section of flexible pipe
- Clamps are included for dryer wall and pipe/elbow connections



49902 Bulk Wall Offset Elbow

98383 Packaged Wall Offset Elbow

Used when wall pipe protrudes into space and cannot be trimmed.

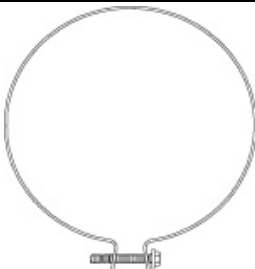
- 90° turn in 4"
- Crimped fitting at top fits into most wall outlets
- Slotted fitting on bottom fits over pipe



49903 Bulk Dryer Offset Elbow

Used when wall pipe protrudes into space and cannot be trimmed.

- 90° turn in 4"
- Slotted fitting on top fits over dryer outlet OR over wall outlet.
- Crimped fitting at bottom fits into pipe.
- Removable of pipe fitting may be required if used on the wall.



98377 Packaged Steel Clamps

Included at one each on bulk elbows and periscopes

98377 Two per package

- Recommended for wall and dryer connections.
- Designed to resist stretching.
- Tighten with Phillips/hex head screw driver.



49901 Bulk 0-5" Periscope

4" x 6" rigid heavy metal dryer vent

- Used where outlets which overlap or are very close
- Sliding action permits some variation.
- Crimped fitting fits into wall outlet
- Slotted fitting fits over dryer outlet

**49908 Bulk 0-18" Periscope****98380 Packaged 0-18" Periscope**

4" x 6" rigid heavy metal dryer vent

- Reaches the side of most dryers.
- Sliding action permits some variation.
- Crimped fitting fits into wall outlet
- Slotted fitting fits over dryer outlet

**49904 Bulk 18-29" Periscope****98381 Packaged 18-29" Periscope**

4" x 6" rigid heavy metal dryer vent

- Reaches the side of most dryers.
- Sliding action permits some variation.
- Two piece assembly can be reversed for airflow direction.
- Crimped fitting fits into wall outlet
- Slotted fitting fits over dryer outlet

**49905 Bulk 29-50" Periscope**

4" x 6" rigid heavy metal dryer vent

- Reaches the side of most dryers.
- Sliding action permits some variation.
- Four piece assembly can be reversed for airflow direction.
- Crimped fitting fits into wall outlet
- Slotted fitting fits over dryer outlet

**98379 Packaged Thru Wall Vent Hood**

- Wide mouth plastic hood maintains excellent airflow to outside.
- Aluminum body fits into wall
- 4" diameter body and airflow opening

How do the different accessories affect airflow?

All of the venting Sears provides meets or beats dryer manufacturer and code specifications for dryer venting.

- Some inspectors prefer a smooth interior on the duct, believing that less lint will build up. Lint build up is usually caused by a drop in the air pressure (not the interior wall) which allows the lint to fall out of the air stream.
- The cross-section of the 4" diameter is equal to the cross section of the 4" x 6" rigid and thus provides the same airflow.
- 90° turns are the most critical points in airflow. Rigid construction at 90° turns is most helpful, and that is why elbows are recommended. Flexible pipe can weaken at these points. Periscopes remain rigid.

Sales points to consider when closing a sale

Sears installers are trained to install the dryer safely and efficiently so that the customer has no other decisions.

Customers who are installing themselves have available the same parts as used by our trained installers.

Ring up the venting from the 98XXX numbers will insure that the customer is getting instructions, the inventory will be replaced from the correct stock, and you will have accessories for the next sale.